

VOLUME CONTENTS

Volume 29 Number 1 1991

ORIGINAL ARTICLES

Dermatophytoses in art, R. S. Marks 1

*Botryomyces caespitosus* as an agent of cutaneous phaeohyphomycosis, D. Benoldi, A. Alinovi, L. Polonelli, S. Conti, M. Gerloni, L. Ajello, A. A. Padhye & G. S. de Hoog 9

Chitin assay to estimate the growth of *Candida albicans* in organs of infected mice, A. Rementeria, P. Ezkurra, F. Hernando, J. Ponton, M. J. Sevilla & R. Cisterna 15

AIDS-associated cryptococcosis in Bujumbura, Burundi: an epidemiological study, D. Swinne, M. Deppner, S. Maniratunga, R. Laroche, J.-J. Floch & P. Kadende 25

The use of cell-free antigens of *Paracoccidioides brasiliensis* in serological tests, Z. P. Camargo, C. P. Taborda, E. G. Rodrigues & L. R. Travassos 31

Nasal and retrobulbar mass in a cat caused by *Pythium insidiosum*, K. W. Bissonnette, N. J. H. Sharp, M. H. Dykstra, I. R. Robertson, B. Davis, A. A. Padhye & L. Kaufman 39

Studies on the mode of action of tolinaftate in *Microsporium gypsum*, M. P. Gupta, N. Kapur, I. Bala & G. K. Khuller 45

SHORT COMMUNICATIONS

Phenotypes of *Candida albicans* sterol mutants deficient in  $\Delta^{8,7}$ -isomerization or 5-desaturation, O. Shimokawa & H. Nakayama 53

Purification of the 43 kDa glycoprotein from exocellular components excreted by *Paracoccidioides brasiliensis* in liquid culture (TOM medium), R. Puccia, D. T. Takaoka & L. R. Travassos 57

Book Review 61

Volume 29 Number 2 1991

ORIGINAL ARTICLES

Biochemical and morphological effects of polyamine biosynthesis inhibitors on *Trichophyton* and *Microsporium*, C. M. Gruhn & S. M. Boyle 63

Immunolocalization of *Aspergillus fumigatus* mycelial antigens, V. M. Hearn, J. P. Latgé & M.-C. Prévost 73

# VOLUME CONTENTS

- Mannan estimation as a measure of the growth of *Candida albicans*, I. H. Pike, E. G. V. Evans & J. A. Carney 83
- Agar disk diffusion susceptibility tests with cilofungin (LY 121019), A. Espinel-Ingroff, S. Shadomy & S. White 93
- Prevalance of *Trichosporon beigelii*. Colonization of normal perigenital skin, K. Ellner, M. E. McBride, T. Rosen & D. Berman 99
- The sub-specific numerical analysis of *Candida albicans*, P. R. Hunter 105

## SHORT COMMUNICATIONS

- Deficient utilization of succinate in a sterol 14 $\alpha$ -demethylation mutant of *Candida albicans*, O. Shimokawa & H. Nakayama 117
- Temperature regulation of the cryptococcal phenoloxidase, E. S. Jacobson & H. S. Emery 121
- Inhibition of I-A expression in rat peritoneal macrophages due to T-suppressor cells induced by *Cryptococcus neoformans*, D. T. Masih, C. E. Sotomayor, L. A. Cervi, C. M. Riera & H. R. Rubinstein 125
- Sequence of the *Candida albicans* gene encoding the secretory aspartate proteinase, B. Hube, C. J. Turver, F. C. Odds, H. Eiffert, G. J. Boulnois, H. Köchel & R. Röchel 129

## Volume 29 Number 3 1991

### ORIGINAL ARTICLES

- Antifungal activity of murine polymorphonuclear neutrophils against *Histoplasma capsulatum*, N. Kurita, E. Brummer, S. Yoshida, K. Nishimura & M. Miyaji 133
- Phenotypic variation of a virulent *Candida albicans* strain and two spontaneous, relatively avirulent mutant strain derivatives, M. J. Malavasic, G. E. McElhaney-Feser, S. B. Southard & R. L. Cihlar 145
- Individual differences in tumour necrosis factor and interleukin-1 production induced by viable and heat-killed *Candida albicans*, J. Jeremias, A. Kalo-Klein & S. S. Witkin 157
- Variable colonial phenotypic expression and comparison to nuclei number in *Blastomyces dermatitidis*, K. V. Clemons, S. M. Hurley, L. G. Treat-Clemons & D. A. Stevens 165
- Induction of experimental *Candida* arthritis in rats, Y. Nakamura, T. Masuhara, S. Ito-Kuwa & S. Aoki 179

VOLUME CONTENTS

- Secreted *Candida albicans* phospholipases: purification and characterization of two forms of lysophospholipase-transacylase, M. Takahashi, Y. Banno & Y. Nozawa 193

SHORT COMMUNICATIONS

- Prosthetic valve endocarditis due to *Thermomyces lanuginosus* Tsiklinsky – First case report, M. Lecso-Bornet, E. Gueho, G. Barbier-Boehm, G. Berthelot, M. Gaildrat, D. Taravella & E. Bergogne-Berezin 205
- Black grain eumycetoma (*Madurella mycetomatis*) in the abdominal cavity of a dog, N. Lambrechts, M. G. Collett & M. Henton 211

Volume 29 Number 4 1991

ORIGINAL ARTICLES

- An epizootic of cutaneous zygomycosis in cultured dwarf African clawed frogs (*Hymenochirus curtipis*) due to *Basidiobolus ranarum*, J. M. Groff, A. Mughannam, T. S. McDowell, A. Wong, M. J. Dykstra, F. L. Frye & R. P. Hedrick 215
- Ultrastructure of the pseudo-cleistothecia produced by the *Trichophyton mentagrophytes* complex, Y. Saito, S. Tanaka & S. Watanabe 225
- 'Antibodies': antibiotic-like anti-idiotypic antibodies, L. Polonelli, S. Conti, M. Gerloni, W. Magliani, M. Castagnola, G. Morace & C. Chezzi 235
- Antigens of diagnostic value in three isolates of *Paracoccidioides brasiliensis*, M. Casotto, S. Paris & Z. P. Camargo 243
- Non-identity and authentication of two major reference strains of *Candida albicans*, D. W. R. MacKenzie & F. C. Odds 255

SHORT COMMUNICATIONS

- Intrahyphal hyphae in corneal tissue from a case of keratitis due to *Lasiodiplodia theobromae*, P. A. Thomas, R. G. Garrison & T. Jansen 263
- Identification of germ tube cell wall antigens of *Candida albicans*, M. Casanova, J. P. Martinez & W. L. Chaffin 269
- Exoantigen test for the rapid identification of *Exophiala spinifera*, P. G. Standard, A. A. Padhye & L. Kaufman 273
- The effect of dermatophyte species and density of infection on the pathology of ringworm, A. J. Samdani, P. J. Dykes & R. Marks 279

CORRIGENDUM 283

Volume 29 Number 5 1991

ORIGINAL ARTICLES

Fungal flora of the haircoat of cats with and without dermatophytosis, *K. A. Moriello & D. J. DeBoer* 285

The effects of saperconazole on the morphology of *Candida albicans*, *Pityrosporum ovale* and *Trichophyton rubrum* in vitro, *T. Jansen, M. Borgers, M-A. van de Ven, B. Xhonneux, L. Wouters, F. van Gerven & J. van Cutsem* 293

*Candida* cell wall mannan in the vagina and its association with the signs and symptoms of vaginal candidosis, *W. J. Pike, J. Clarke, C. J. N. Lacey, P. A. Hunter & E. G. V. Evans* 305

Chromoblastomycosis with malignant transformation and cutaneous-synovial secondary localization. The potential therapeutic role of itraconazole, *C. Paul, B. Dupont, G. Pialoux, M. F. Avril & R. Pradinaud* 313

Phaeohyphomycotic brain abscess due to *Ochroconis gallopavum* in a patient with malignant lymphoma of a large cell type, *E. H. Sides, III, J. D. Benson & A. A. Padhye* 317

Pityriasis versicolor in the Central African Republic: a randomized study of 144 cases, *L. Bêlec, J. Testa & P. Bouree* 323

SHORT COMMUNICATIONS

The use of a mixture of somatic and culture filtrate antigens in the evaluation of the immune response to *Paracoccidioides brasiliensis*, *M. I. Correa da Silva, I. Maximo de Carvalho, T. N. Franco, M. A. Cunha, L. G. Chamma, J. Fogaça, D. Fecchio & M. Franco* 331

*Candida haemulonii* from clinical specimens in the USA, *I. B. Gargeya, W. R. Pruitt, S. A. Meyer & D. G. Ahearn* 335

DNA fingerprinting of *Aspergillus fumigatus* isolates from patients with aspergilloma, *D. W. Denning, G. S. Shankland & D. A. Stevens* 339

Concurrent bloodstream infection with *Histoplasma capsulatum* and *Mycobacterium tuberculosis*, *R. M. Tucker, J. R. Hamilton & D. A. Stevens* 343

BOOK REVIEW 347

CORRIGENDUM 349

ERRATA 353

REVIEW ARTICLE

- Sabouraud('s) agar, *F. C. Odds* 355

ORIGINAL ARTICLES

Biochemical and antigenic characterization of mannoprotein constituents released from yeast and mycelial forms of *Candida albicans*, *A. Torosantucci, M. J. Gomez, C. Bromuro, I. Casalnuovo & A. Cassone* 361

Studies of natural killer cells in patients with paracoccidioidomycosis, *M. T. S. Peraçoli, A. M. V. C. Soares, R. P. Mendes, S. A. Marques, P. C. M. Pereira & M. T. Rezakallah-Iwasso* 373

Identification of a gene encoding an HPr-like protein in *Aspergillus fumigatus*, *S. Barker, R. Matthews, W. Lee, A. Bostock & J. Burnie* 381

Ultrastructure of budding process of *Malassezia pachydermatis*, *K. Nishimura, Y. Asada, S. Tanaka & S. Watanabe* 387

Invasion and survival of *Fusarium solani* in the dexamethasone-treated cornea of rabbits, *H. Kiryu, S. I. Yoshida, Y. Suenaga & M. Asahi* 395

SHORT COMMUNICATIONS

The elastinolytic proteinase of *Aspergillus flavus* is not glycosylated, *J. C. Rhodes & T. W. Amlung* 407

Long-term laboratory preservation of pathogenic yeasts in water, *F. C. Odds* 413

Contribution to our knowledge of *Trichophyton megninii*, *H. Sequeira, J. Cabrira, Ch. de Vroey & C. Wuytack-Raes* 417

Evaluation of antibody-bearing liposomal amphotericin B in the treatment of systemic candidiasis in a neutropenic murine model, *T. Belay, D. R. Hospenthal, A. L. Rogers & M. J. Patterson* 419

BOOK REVIEWS 423

ACKNOWLEDGEMENT 425

AUTHOR AND SUBJECT INDEXES 427